

## Exiv2 - Bug #584

### linking fails for PreviewImage::pData()

04 Dec 2008 12:04 - drhex -

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Huggel	<b>% Done:</b>	100%
<b>Category:</b>	build	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.18		

#### Description

This short example program demonstrates the problem:

```
#include <exiv2/image.hpp>
#include <exiv2/preview.hpp>

void process(const unsigned char *data, unsigned int length) {
}

int main(int argc, char *argv[]) {
    Exiv2::Image::AutoPtr image = Exiv2::ImageFactory::open("testfile.jpg");
    if (!image->good()) return 1;
    image->readMetadata();
    Exiv2::PreviewManager loader(*image);
    Exiv2::PreviewPropertiesList list = loader.getPreviewProperties();
    if (list.size() <= 0) return 1;
    Exiv2::PreviewImage pimage = loader.getPreviewImage(list[0]);
    process(pimage.pData(), pimage.size());

    return 0;
}
```

I compile the above with

```
g++ -Wall -lexiv2 exivtest.cc
```

using gcc version 4.1.3 20070929 (prerelease) on Ubuntu 7.10 and the output is

```
/tmp/ccZU0lyb.o: In function `main':
exivtest.cc:(.text+0x221): undefined reference to `Exiv2::PreviewImage::pData() const'
collect2: ld returned 1 exit status
```

I have also tested on Debian lenny/sid with gcc version 4.3.2 with the same result. No compile errors, only linking problems and only for one of the exiv2-functions used in the code (there are no errors if I comment out the line that calls pData()).

Tested with the tar.gz-version of exiv2.0.18-pre2

#### History

##### #1 - 04 Dec 2008 22:10 - Andreas Huggel

Oops, the implementation of this method is missing. Just add this to preview.cpp:

```
const byte* PreviewImage::pData() const
{
    return pData_;
}
```

##### #2 - 06 Dec 2008 13:31 - drhex -

That worked fine, thanks.

##### #3 - 07 Dec 2008 02:55 - Andreas Huggel

[r1690](#)

**#4 - 17 Dec 2008 09:11 - Andreas Huggel**

- % Done changed from 0 to 100

**#5 - 18 Dec 2008 18:29 - Andreas Huggel**

- Status changed from Resolved to Closed